

DUTY STATEMENT

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| Classification: Associate Toxicologist | | Position Number: 811-140-7941-xxx | |
| Branch/Section: Reproductive and Cancer Hazard Assessment Branch/Reproductive Toxicology and Epidemiology Section | | | |
| Location: Sacramento/Oakland | | Effective Date: | |
| Management Designation | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Conflict of Interest | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Supervision Received: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Supervision Exercised: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Pursuant to Government Code Section 3100-3109, all public employees are declared to be disaster service workers for the protection of the health and safety and preservation of the lives and property of the people of the state from the effects of natural, man-made, or war-caused emergencies which result in conditions of disaster or extreme peril to life, property, and resources. This is of paramount state importance in protection of its citizens and resources.

POSITION SUMMARY

The Reproductive Toxicology and Epidemiology Section (RTES) within the Reproductive and Cancer Hazard Assessment Branch (RCHAB) provides technical support for listing chemicals as causing reproductive toxicity under Proposition 65; develops guidelines for assessing risks of exposure to chemicals that cause reproductive toxicity; conducts dose response and exposure assessment; and provides technical assistance to other programs in the Office of Environmental Health Hazard Assessment (OEHHA), the Attorney General's Office, and other California governmental entities.

Under direction of the Senior Toxicologist, Chief, RTES, the Associate Toxicologist works as a member of a multidisciplinary team and performs work of average difficulty in carrying out reproductive toxicity hazard identification, dose-response, and exposure assessment activities. The Associate Toxicologist will be instrumental in performing the more standard duties of literature searches, evaluating less complex toxicological data, performing less complex dose-response analyses, and preparing less complex sections of hazard identification materials and dose-response documents. All of these work products will be subject to review by more senior Section colleagues, including the Senior Toxicologist.

The Associate Toxicologist will perform all the following duties and other related work.

ESSENTIAL FUNCTIONS

35% **Reproductive Toxicity Hazard Identification.** Provide technical expertise on the analysis and evaluation of whole animal, *in vitro*, mechanistic, and other data relevant to the evidence of developmental and reproductive toxicity for chemicals under consideration for listing or delisting as causing reproductive toxicity under Proposition 65. Prepare hazard identification materials and related documentation in collaboration with senior colleagues on whole animal, *in vitro*, mechanistic, and other data relevant to the identification of developmental or reproductive toxicity for presentation to internal and external expert bodies (e.g., the Developmental and Reproductive Toxicant Identification Committee – DARTIC). Provide initial and preliminary review of public comments and prepare proposed responses. Assist senior colleagues with revising documents as appropriate to take public comments into account. Present materials and documentation on whole animal, *in vitro*, mechanistic, and other data to the DARTIC and other expert bodies. Respond to the concerns of the committee and public commenters on technical details.

25% **Reproductive Toxicity Risk Assessment of Chemicals.** Identify, and critically evaluate scientific literature relevant to performing dose-response assessment of chemicals causing developmental or reproductive toxicity.

(Attach additional sheet if necessary)

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| I have read and understood the duties and essential functions of the position and can perform these duties with or without reasonable accommodation: | Date: |
| Employee Signature: | |
| I certify that the above accurately represent the duties of the position: | Date: |
| Supervisor Signature: | |
| PERSONNEL USE ONLY: This personnel transaction has been reviewed and approved by: | |
| Personnel Analyst Signature: | Date: |

Evaluate toxicology, epidemiology, mechanistic data, and pharmacokinetic studies. Develop draft quantitative dose-response assessment for review by the Senior Toxicologist, incorporating information on mechanism and mode of action, pharmacokinetic differences in humans and experimental animals, and other susceptibility factors, as appropriate. Develop draft maximum allowable dose levels (MADLs) for chemicals listed under Proposition 65 for review. Perform benchmark dose analyses as appropriate. Prepare dose-response and MADL documents for adoption in regulation and for other RCHAB assessment needs. Prepare draft formal responses to public comments received on proposed MADLs, for submittal to the Office of Administrative Law.

- 20% **Prioritization of Chemicals for Review.** Provide technical scientific input in identifying and developing a list of agents with apparent exposure in California that may potentially pose a developmental or reproductive toxicity risk in humans. Prepare preliminary written evaluations on the extent and nature of the evidence for developmental and/or reproductive toxicity. Present scientific findings and analyses to expert committees (e.g., the DARTIC) and the public. Provide initial and preliminary review of public comments and prepare proposed responses.
- 10% **Advise on Reproductive Toxicity Risk Issue.** Conduct scientific peer review of OEHHA and other state government documents, providing general expertise in toxicology, and particular expertise in developmental and reproductive toxicology. Respond to public inquiries on technical issues. Advise on technical issues related to exposures to chemicals causing developmental or reproductive toxicity.

MARGINAL FUNCTIONS

- 5% Conduct preliminary bill analyses to identify a bill's relevance to, and potential effects on, OEHHA or a program or programs within OEHHA and recommend a position on the bill (e.g., support, neutral, oppose) for review by Section and Branch chiefs and other senior colleagues. Develop or review budget change proposals to determine the need to increase or decrease funding for new or existing programs within OEHHA. Draft legislative change proposals to propose new legislation or amendments to existing legislation pertinent to reproductive toxicity, as directed by OEHHA management.
- 5% Prepare scientific papers on hazard assessments and dose-response assessments of reproductive and developmental toxicants or review papers on scientific topics relevant to reproductive toxicity for publication in scientific journals. Organize and provide support to technical workshops of interest to the program. Present at and participate in scientific meetings and conferences at the local and national level that are relevant to programmatic activities in order to disseminate information on Section activities and to gain current knowledge of scientific activities and advances relevant to reproductive toxicity and testing guidelines. Perform toxicological research on specific issues of interest to the Section. Plan and participate in activities to maintain and further develop professional skills and expertise, such as participation in conferences and workshops and keeping up-to-date on published literature in the field.

REQUIRED QUALIFICATIONS

Proficient in general principles of toxicology, public health, and risk assessment, with specific expertise in the area of reproductive and/or developmental toxicology.

Expertise and/or research experience investigating mechanisms and endpoints of reproductive or developmental toxicity, or experience conducting quantitative reproductive toxicity risk assessments, or experience evaluating and integrating mechanistic information into reproductive toxicity risk assessment.

Ability to produce high quality work products that clearly and concisely convey scientific findings and concepts.

(Attach additional sheet if necessary)

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| Personnel Analyst Signature: | Date: |

DESIRED QUALIFICATIONS

Ability to accurately review, enter and retrieve data from departmental data systems, hardcopy papers and reports, online scientific publications, and other online data sources; use statistical, spreadsheet, word processing and presentation (e.g., PowerPoint, publisher) software.

Employ effective research and fact-finding skills and exercise good judgment.

Work cooperatively and function effectively in a team; communicate effectively in person; and produce high quality written reports.

Willingness to conduct office work, which requires sitting for prolonged periods of time, and an interest in and aptitude for the work.

WORKING CONDITIONS

Located in a high-rise office building in the downtown area. Office arranged in cubicles. Various time-critical assignments are part of the workload. Prolonged sitting while reviewing scientific articles, reports and generating scientific documents and reports is required. Repetitive motion in using office equipment occurs. May be required to travel to other OEHHA locations for business related needs as necessary. Off-site meetings and teleconferences sometimes take place. Hours of position vary between 8:00 a.m. and 5:00 p.m. Monday through Friday. Willingness to travel as needed.

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